WYSE
Wyse
Thin Computing Software
Delivering the best PC experience
on a thin computing platform
Wyse Thin Computing Software.
All you need to know. Here.

Wyse Thin Computing Software

Created to enable the very best user experience across a range of virtualized environments, with dynamic application deployment, remote management, rich multimedia interaction and support for everyday desktop peripherals ...made simple and easy.

Wyse Device Manager

Wyse Device Manager enables remote monitoring, management and reporting of Wyse thin clients.

Wyse TCX™ Suite

Wyse TCX is our virtualization software suite which enriches the user experience.

Wyse Virtual Desktop Accelerator

Wyse Virtual Desktop Accelerator enables productive business continuity for remote users by accelerating remote desktop protocols.

Take a tour of the Wyse Software range features here

An introduction to Wyse Device Manager

Rapid deployment. Centralized management and asset tracking.

Wyse Device Manager (WDM) provides administrators with the granular asset information they need about each device including the deployed software. By presenting up-to-date status information on a simple-to-use central console with remote diagnostic capabilities, the IT department can reduce unnecessary desktop visits.

With the flexibility to schedule device updates, including application add-ons, OS patches, or complete imaging when it's more convenient for users, IT managers can reduce overall desktop downtime and avoid any loss of productivity. Meanwhile, powerful device-grouping capabilities and the ability to enforce default configurations give network administrators maximum performance and flexibility in provisioning and managing devices on the network.

Wyse Device Manager Workgroup edition comes bundled with all Wyse thin clients and provides comprehensive management control for smaller installations. The more powerful Wyse Device Manager Enterprise edition delivers increased device management capabilities, and scales up to hundreds of thousands of clients.

Both versions are easy to use, leverage web-services technology, and are easy to install. Plus, with Wyse Device Manager Installation Services, the Wyse Professional Services team will work to your specific requirements to ensure a successful implementation and delivery of your Wyse Device Manager solution.

Continue tour

Start | Range | Technical | Print

Secure software imaging and updates via HTTPS

Efficient, secure and scalable software management.

Wyse Device Manager allows the deployment of software images across literally thousands of Wyse thin clients remotely. To provide a highly secure and scalable network architecture, WDM provides full HTTPS encrypted traffic and multiple Remote Software Repositories which optimize the network bandwidth.

By removing the need to visit each and every one of your network's desktop and mobile thin clients Wyse Device Manager delivers both vastly-reduced IT support costs and a far more granular approach to the deployment and management of your user-software. This ranges from vital hour-by-hour monitoring to the efficient issuing of software images, patches, updates and other add-ons as required to ensure every desktop and mobile thin client remains available and productive - thereby instantly reducing your total cost of ownership and further maximizing your investment in Wyse Thin Computing.

At a glance features:

- Complete Device Imaging / Patching / Updates
- Fully Secure HTTPS Communication
- Multiple Remote Software Repository Support
- Bandwidth Throttling for Efficiency / Reliability
- Software Updates and Add-ons

Continue tour

Asset tracking

Keep track of everything as your organization grows and changes.

With the potential for thousands of thin clients deployed across an organization's network (and beyond with the introduction of Wyse mobile thin clients such as the Wyse X class) comes the potential headache of efficient asset tracking.

Wyse Device Manager provides the answer with its centralized management of your desktop and mobile thin clients with detailed information of each device's feature set and build specification – everything from processors to installed flash RAM and software. The result is the uniquely advantageous ability to assess, healthcheck and if necessary deploy (and redeploy) your thin client assets to meet your organization's changing or developing needs. In addition, Wyse Device Manager's asset tracking abilities enable you to enforce your IT and organizational policies right across your network simply and efficiently.

At a glance features:

- Detailed Hardware Asset information
- Installed Software Asset information
- Distributed Architecture
- Automated Discovery
- SQL 2005, 2008 / MSDE Support
- Detailed device healthchecks

Continue tour

Start | Range | Technical | Print

Policy Management

Issue, manage and update enterprise-wide policies.

Wyse Device Manager introduces a very powerful and scalable policy management concept called Default Device Configuration (DDC). Through DDC, administrators can associate different sets of configurations and policies with devices automatically arranged into various logical groups. As an example, WDM can group devices into different “country” groups, based on their subnet or IP address and automatically administer and enforce various policy settings like localization, backend server connectivity, or customization permissions.

The ability to administer and manage a network of thin clients without a single human intervention is what allows WDM customers to scale up to tens of thousands of thin devices - with ease.

Furthermore, organizations can develop a tiered or even outsourced IT management with WDM’s ability to provide a Delegated Administration capability, whereby different administrators have different levels of access to local or global logical groupings based on their Microsoft Active Directory Credentials.

As with Wyse Device Manager’s other tools, its policy management function allows you to issue, manage and update your policies from one central position both efficiently and remotely.

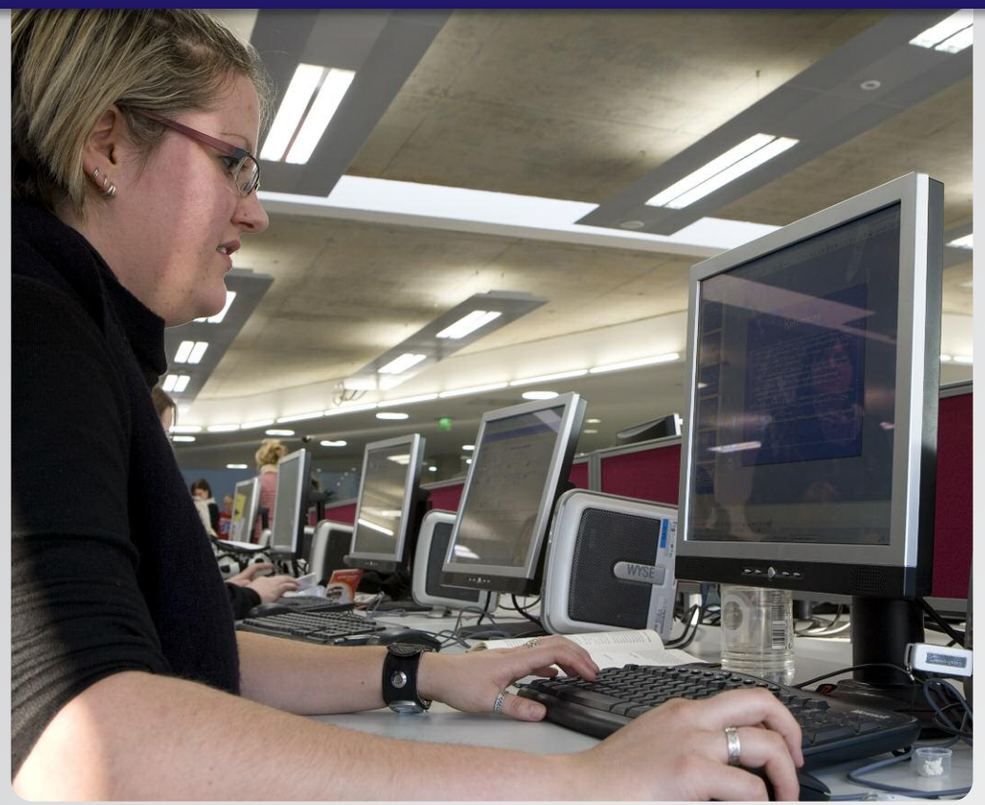
At a glance features:

- Default Device Configuration
- Policy Management Delegated Administration (Active Directory Integrated)

Continue tour

Remote User Support

Drastically reduce your support costs. Boost your user service.



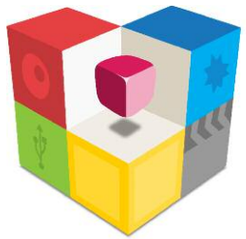
At a glance features:

- Remote Shadowing / Control
- Non-PXE Boot Agent for Imaging across Wide Area Networks

From time to time your users will require the kind of “over-the-shoulder” support that in the past could only be provided by physically visiting the desktop. With Wyse Device Manager you can deliver such important one-to-one IT support in a more efficient and cost effective manner than ever before, resulting in far greater user-experience satisfaction scores without the support costs. Subsequently your users will benefit from faster support response-to-resolution times and will develop a greater appreciation of an IT support service that features the ability to screen-share and take-over their desktops, rebooting their thin clients in seconds and more firmly resolving the issues they may be facing with their desktop or mobile thin clients.

Continue tour

An introduction to the Wyse TCX™ Suite and Collaborative Processing Architecture™



Wyse TCX Suite Software

Multi-display

USB Virtualizer

Multimedia

Rich Sound

Flash Acceleration™

Delivering the best user experience available on a thin computing platform

Providing customers with the full benefits of thin computing minus the limitations is the innovative thinking behind the Wyse TCX Software Suite. Each software solution in the suite delivers an enhancement component designed to work seamlessly within Microsoft® Terminal Services, Citrix® XenApp, Citrix® XenDesktop and VMware View environments.

Collaborative Processing Architecture

Uniquely all Wyse TCX Solutions feature Collaborative Processing Architecture (CPA) which intelligently divides the workload between the server and client, reducing the need for larger servers, and delivering the best thin computing user experience available.

Wyse TCX software works with established protocols (instead of replacing them), adds valuable functionality and – importantly – shifts processing workload to the thin client's processor whenever it's appropriate.

Continue tour

Wyse TCX Multi-display

Extra screen real-estate for virtual desktop environments.

Multiple Monitor Awareness

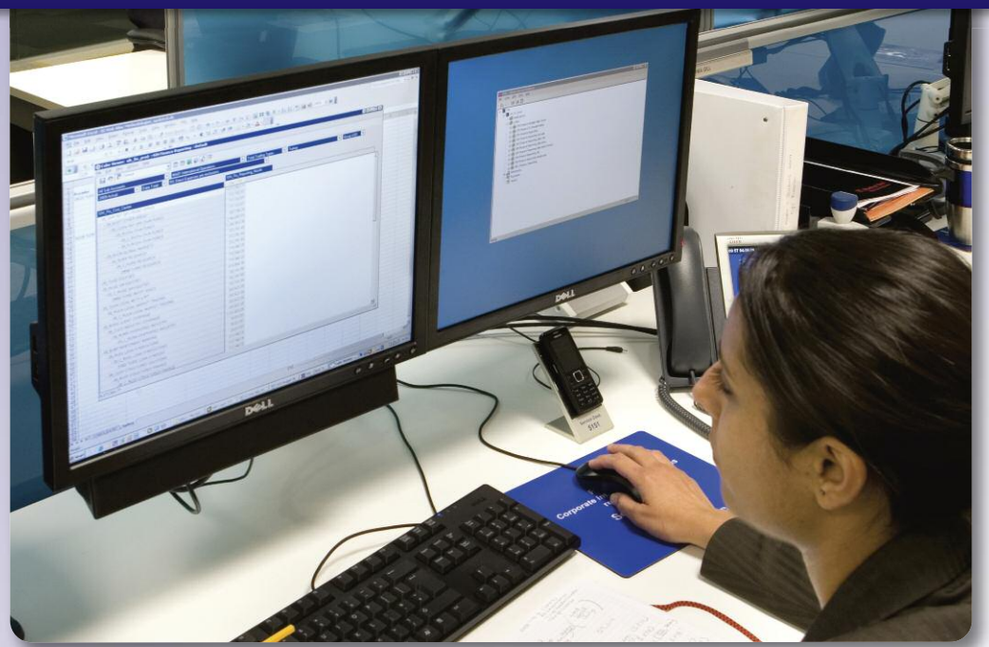
Wyse TCX Multi-display virtualization software makes virtual desktops and applications multi-monitor aware.

Increased Productivity and Satisfaction

Instead of trying to consolidate everything in one monitor that could limit users to many minimized or resized windows, Wyse users can now easily open windows and applications side by side on up to four monitors and leverage the extra screen real estate.

Users have total control over dialog box and message box positioning. They can recall and reopen applications at positions where they were previously closed. In addition users can also configure exclusion lists for applications 'to apply' or 'not apply' the multi-display settings. This helps increase an end user's workflow productivity and satisfaction.

Wyse TCX Multi-display adds virtual channel support to enable logon GINA and Windows Security dialog box positionings on some platforms.
Wyse TCX Multi-display also supports seamless or remote applications.



Continue tour

Start | Range | Technical | Print

Wyse TCX Multimedia

Wyse brings multimedia to thin computing.

Rich Multimedia Support

Wyse TCX Multimedia is a software solution that streamlines the delivery of multimedia content to the local client for a richer user experience.

Multimedia, as a training mechanism or for corporate communications, is becoming more prevalent. Traditionally, multimedia playback had a number of limitations in thin computing environments.

Wyse TCX Multimedia is a breakthrough technology that removes these limitations. It's a software layer featuring both server and client components that work intelligently to redirect multimedia processing tasks dynamically between the client and server.
The multimedia stream is decoded locally on the thin client using the local processing power of the device thereby providing a full synchronised audio and video experience.

Wyse's unique Collaborative Processing Architecture (CPA) frees-up the processing power on the server and increases infrastructure scalability. The software is agnostic to the virtualization infrastructure already in place in the data center.

At a glance features:

User Experience.

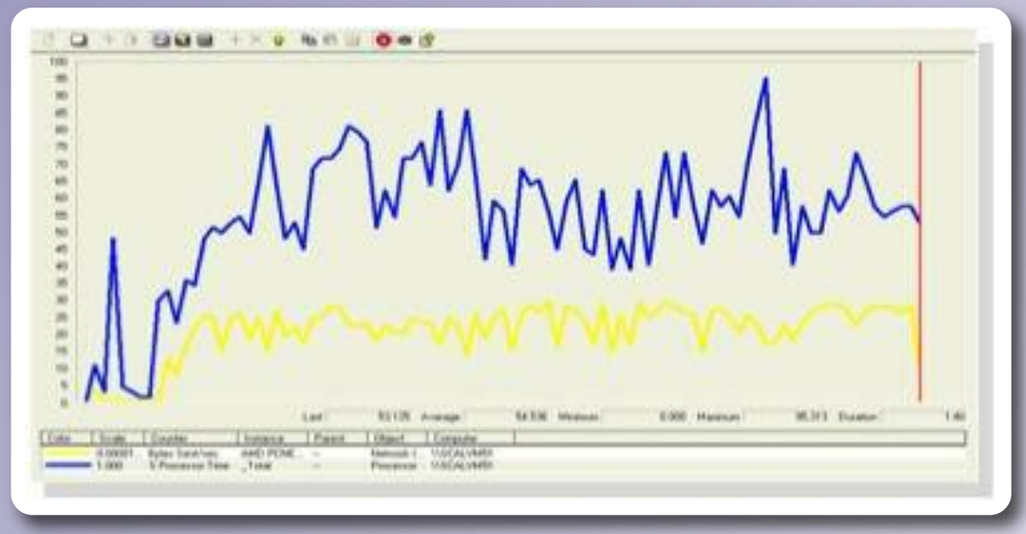
- Rich and smooth full screen, full frame-rate multimedia experience.
- Multimedia content is intelligently decoded locally on the thin client.
- Transparent real-time compression rate adjustment.
- URL redirection and multicast support for certain codec types.
- End-user experience comparable to - or better - than a regular PC.

Continue tour

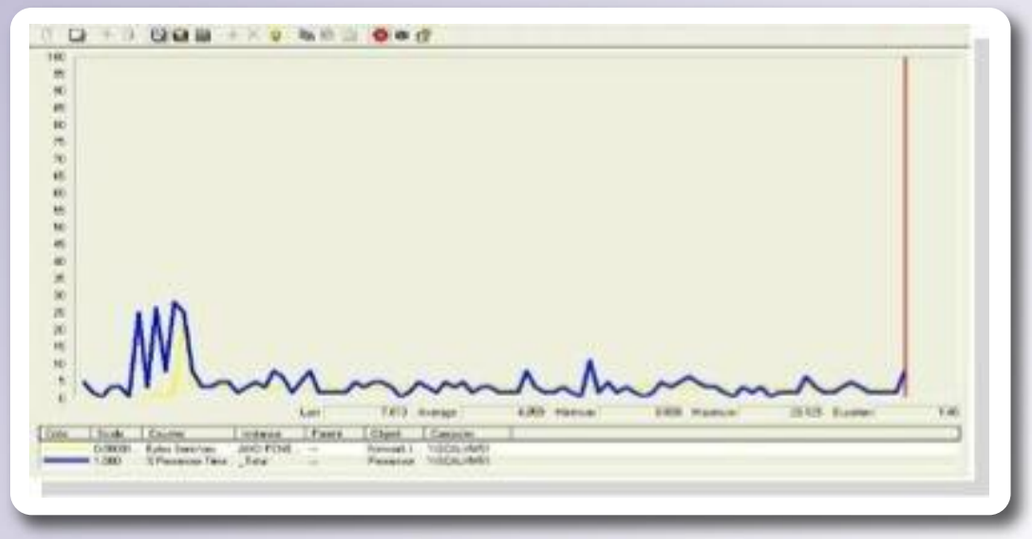
Wyse TCX Multimedia

Enhances User Experience and Server Scalability.

Deploying rich media rich applications using Wyse TCX Multimedia delivers a superior user experience with significantly less demands on server processing and bandwidth:



Typical server CPU and network activity when playing multimedia



Server CPU and network activity when deployed with Wyse TCX Multimedia

Source: Wyse Whitepaper, 2008 -- Server CPU and Network Utilization Playing WMV File on a Virtual Desktop

Continue tour

Start | Range | Technical | Print

Wyse TCX USB Virtualizer

Connect your everyday USB devices.

Visible to virtual desktops and applications

Simple and Revolutionary, Wyse TCX USB Virtualizer™ software makes thin client attached USB devices visible to virtual desktops and applications.

Solves USB peripheral connectivity issues

Wyse TCX USB Virtualizer is a software solution that enables the discovery of local USB devices plugged into Wyse thin clients directly into a virtual desktop environment. This extraordinary enhancement solves the USB peripheral issues when it comes to deploying thin clients. No more compromises on limited local device drivers. Supported devices include an unprecedented broad range of USB-based printers, scanners, storage devices, Palm, BlackBerry, Pocket PC handhelds, webcams and headsets. Wyse TCX USB Virtualizer redirects the USB drivers installed in the virtual desktop to the Wyse thin clients and functions as an intelligent virtual USB driver bridge traversing the network.

At a glance features:

User Experience.

- Supports asynchronous devices such as USB-based printers, scanners and PDAs.
- Supports Isochronous devices (Microsoft and Logitech webcams and headsets), for video based instant messaging applications.
- Enables visibility of local USB devices plugged into Wyse thin clients to virtual desktops.
- Plug and play detection - intelligently detects and identifies devices as soon as they are plugged into the thin client.

Management.

- Tuned TCP/IP stack with optimized data echoing that helps minimize the negative effects of network latency and bandwidth.
- Control Panel provides management control over which devices will work and which are blocked.
- Granular control of devices at class, Sub-class, Vendor ID and Product ID levels.
- Extends IT deployment reach to support broad categories of user access needs.

Continue tour

Wyse TCX Flash Acceleration™

Experience improved Flash video performance.

Experience improved Flash video performance

Flash Acceleration enables Wyse thin client users to experience improved Flash video content performance in a remote computing environment. TCX Flash Acceleration transcodes the native Flash media stream to a high bitrate motion JPG content that is then delivered to the client for fast local rendering. Since the resulting "images" are "redirected" over a separate virtual channel to the client, this allows for greater control of frame rate and compression, thereby delivering an improved user experience.

There is also no need to install the Flash Player on the client.

High quality audio with Rich Sound

When used with TCX Rich Sound, Flash Acceleration also provides high quality audio performance for Flash videos.

At a glance features:

User Experience.

- Supports Citrix XenDesktop and VMware View.
- Eliminates the need for flash player on the client device.
- Supports Internet Explorer 7 and 8.
- Leverages the proven Multimedia Redirection and Rich Sound technologies.
- Administrators can fine tune network usage and user experience by controlling the frame rate and compression.

Continue tour

Wyse TCX Rich Sound

High quality audio without compromise.

Receive and transmit high quality Audio

Wyse TCX Rich Sound virtualization
software enables the zero-compromise deployment of virtual desktops and applications with the capability of receiving and transmitting high quality audio.

Broaden the reach of Virtual Desktops and Applications

Wyse TCX Rich Sound provides bi-directional audio capabilities for virtual desktops and applications. Users can now use a USB headset directly attached to the Wyse thin client to input and output audio to and from IP soft phone applications such as Cisco IP Communicator, Avaya Softphone and Elluminate running in a Microsoft Windows XP Pro virtual desktop.
This revolutionary technology from Wyse also supports sound recording and playback applications.

At a glance features:

User Experience.

- Provides high performance bi-directional audio in VDI environments - VDI users can now run applications that require audio input capabilities.
- Eliminates the need for a separate hardware IP phone unit.
- No compromise thin computing experience.

Typical solutions.

- Coupled with USB Virtualizer, audio-video chat applications such as Skype can be supported in a VDI environment.
- VOIP softphone applications with USB headsets or handsets.
- Digital dictation in legal offices.
- Voice recognition applications.
- 'Language Labs' in schools.

Continue tour

Start | Range | Technical | Print

Introducing Wyse Virtual Desktop Accelerator

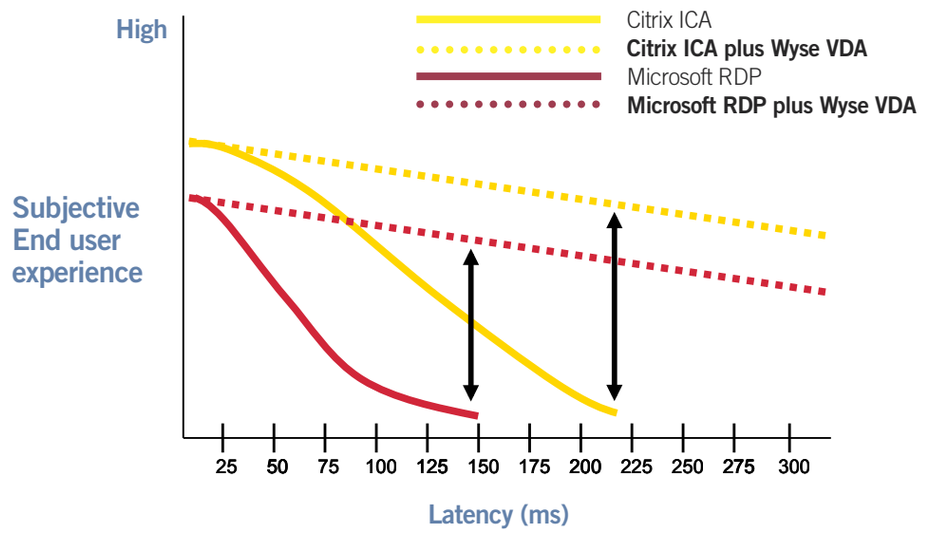
Wyse Virtual Desktop Accelerator: a software only solution for Wyse thin clients and supported PCs.

Wyse Virtual Desktop Accelerator (VDA) is a technology that accelerates Microsoft RDP and Citrix ICA protocols by up to 3 times on networks with up to 300ms latency (or higher) and at least 768kbps total downstream bandwidth.
Wyse VDA neutralizes the effects of network delays (latency) and packet loss for thin computing protocols. It achieves this using a combination of network tunneling, proxies, and packet correction technologies.

Addressing the issues of network latency

Wyse VDA means organizations can now deploy thin computing to more remote users - while minimizing additional network costs, and avoiding the need for regional datacenters and the energy to run them. Organizations that have already deployed thin computing using regional datacenters will be able to achieve significant cost-savings through datacenter consolidation.

Wyse VDA enables virtualized desktop environments to be deployed to areas where network latency has, to date, presented operational barriers. Now, with Wyse VDA, more users can receive the full benefits of Wyse thin computing - with the best PC experience over virtualized desktops.



Continue tour

Now more users can experience secure, reliable computing.

Spreading the benefits of thin computing to more users, than ever before.

Virtually everywhere that's been a challenge to deploying thin computing...
...can be transformed with Wyse VDA:

- **Remote and branch offices** can now avoid investment in local datacenters and servers by switching to fast access to secure, robust and centralized datacenters.
- **Mobile workers** and their departments can eliminate the security and management issues they've experienced with PC laptops.

- **Home workers** will experience a better computing experience over their often slower domestic broadband service making flexible working more practical, secure and significantly reducing HQ costs.
- **Offshore workers** can now be served with thin computing that's fast, efficient and ensures that all data and intellectual property rights remain securely at the centralized datacenter.
- **Cloud computing** application and desktop users will gain a superior experience with Wyse VDA, making this already cost effective method of delivering a flexible IT infrastructure even more practical.

At a glance features:

- Opens up the benefits of thin computing to more users than ever before
- Works with mobile, home, off-shore and cloud computing users
- Enables organizations to implement global disaster recovery contingencies

- **Robust Disaster Recovery** contingencies are simpler to implement with faster networks serving data from centralized and alternate backup datacenters. Wyse VDA makes this viable, manageable and cost effective over latent networks.

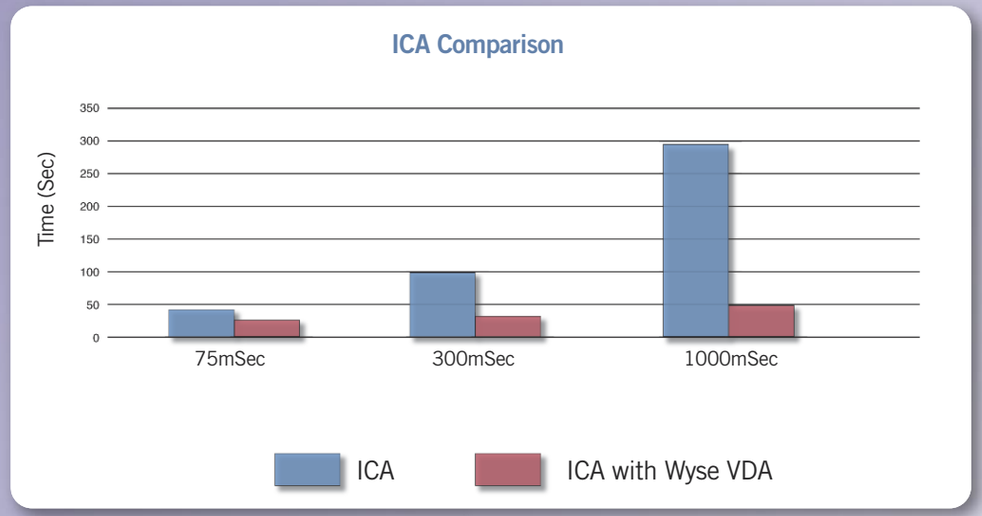
Continue tour

Delivering the best user experience

Enhancing ICA and RDP protocols.

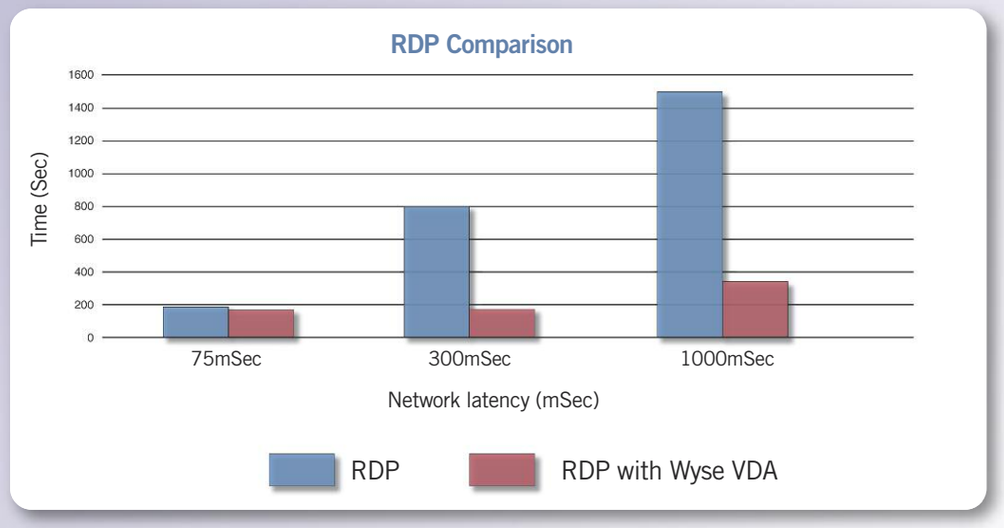
ICA performance improvement with Wyse VDA

This test shows improvement in response times when copying a 2.32 MB file from a USB drive to a server session using a 1.54Mbps network bandwidth with 1% packet loss and 10% jitter.



RDP performance improvement with Wyse VDA

This test shows improvement in response times when viewing a dynamic stock ticker on marketrac.nyse.com using a 1.54Mbps network bandwidth with 1% packet loss and 10% jitter.



Continue tour

Wyse Virtual Desktop Accelerator special features

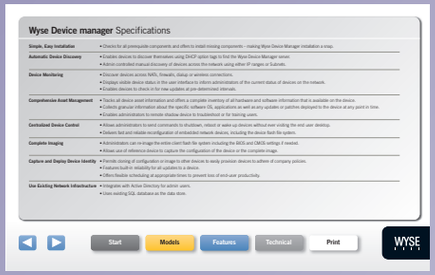
Enhancing ICA and RDP protocols.

- Software-only acceleration of virtual desktops and applications
- Accelerates Citrix ICA and Microsoft RDP protocols
- Works on high bandwidth wide area networks (FLP – Fat Long Pipes)
- Accelerates connections to Citrix XenApp, Citrix XenDesktop, VMware View and Microsoft Terminal Server and Microsoft Hyper-V VDI
- Enhances Wyse TCX software suite functionality across wide-area networks
- Enhances Wyse Collaborative Processing Architecture performance
- Enables per connection maximum bandwidth usage control
- Leverages built-in security of underlying protocols (e.g. 128-bit encryption for RDP and ICA)
- Works seamlessly with current hardware accelerator products

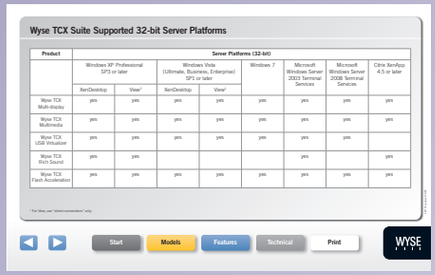
Take the tour again

Wyse Software Range Technical Specifications

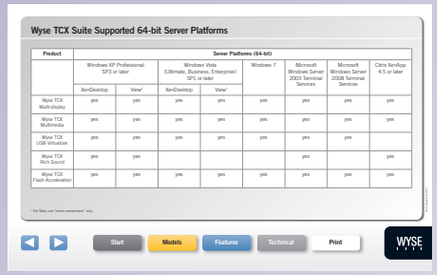
Wyse Device Manager



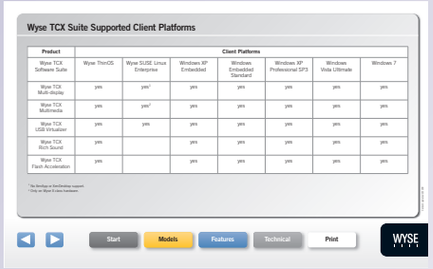
Wyse TCX Suite Supported 32-bit Server Platforms



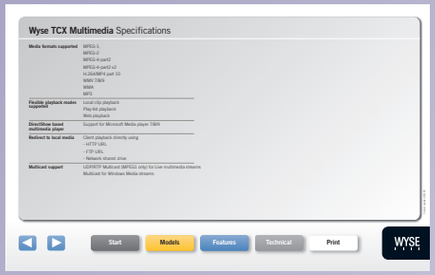
Wyse TCX Suite Supported 64-bit Server Platforms



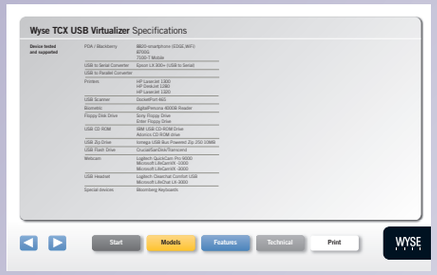
Wyse TCX Supported Client Platforms



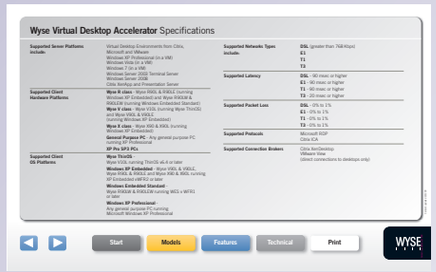
Wyse TCX Multimedia



Wyse TCX USB Virtualizer



Wyse Virtual Desktop Accelerator



Learn more. Simply click these data sheet icons

Visit: wyse.com

Content updated 221209

Wyse Device manager Specifications

Simple, Easy Installation	• Checks for all prerequisite components and offers to install missing components – making Wyse Device Manager installation a snap.
Automatic Device Discovery	• Enables devices to discover themselves using DHCP option tags to find the Wyse Device Manager server. • Admin controlled manual discovery of devices across the network using either IP ranges or Subnets.
Device Monitoring	• Discover devices across NATs, firewalls, dialup or wireless connections. • Displays visible device status in the user interface to inform administrators of the current status of devices on the network. • Enables devices to check in for new updates at pre-determined intervals.
Comprehensive Asset Management	• Tracks all device asset information and offers a complete inventory of all hardware and software information that is available on the device. • Collects granular information about the specific software OS, applications as well as any updates or patches deployed to the device at any point in time. • Enables administrators to remote shadow device to troubleshoot or for training users.
Centralized Device Control	• Allows administrators to send commands to shutdown, reboot or wake up devices without ever visiting the end user desktop. • Delivers fast and reliable reconfiguration of embedded network devices, including the device flash file system.
Complete Imaging	• Administrators can re-image the entire client flash file system including the BIOS and CMOS settings if needed. • Allows use of reference device to capture the configuration of the device or the complete image.
Capture and Deploy Device Identity	• Permits cloning of configuration or image to other devices to easily provision devices to adhere of company policies. • Features built-in reliability for all updates to a device. • Offers flexible scheduling at appropriate times to prevent loss of end-user productivity.
Use Existing Network Infrastructure	• Integrates with Active Directory for admin users. • Uses existing SQL database as the data store.

Wyse Device manager Specifications continued

Delegated Administration	• Enables admins to control the bandwidth to be used for server communications. • Allows delegation of device management responsibility to other admins.
Advanced Scripting	• Offers granular control over authorisation of the devices they can control as well as the functions each can perform. • Features a detailed scripting language to perform complex automated tasks on multiple devices.
Enhanced Reporting	• Enables customisation capabilities greatly enhanced using scripting. • Delivers simple saved reports which makes it easy to run the same report on existing parameters.
Extensible Tool-Building Capabilities Through Microsoft Management Console (MMC)	• Provides quick and flexible ways to report on the existing data that is captured by the system. • Eases administration headaches through MMC integration, delegation, task orientation, and a familiar interface.By integrating Wyse Device Manager with other snap-ins, administrators can create MMC tools that enhance network management functionality (e.g., individual Wyse Device Manager managers, anti-virus software, asset management, and fault and performance tools).
OS Requirements	• Microsoft® Windows Server 2000. • Microsoft® Windows Server 2003. • Microsoft® Windows XP.

Wyse TCX Suite Supported 32-bit Server Platforms

Product	Server Platforms (32-bit)							
	Windows XP Professional SP3 or later		Windows Vista (Ultimate, Business, Enterprise) SP1 or later		Windows 7	Microsoft Windows Server 2003 Terminal Services	Microsoft Windows Server 2008 Terminal Services	Citrix XenApp 4.5 or later
	XenDesktop	View[1]	XenDesktop	View[1]				
Wyse TCX Multi-display	yes	yes	yes	yes	yes	yes	yes	yes
Wyse TCX Multimedia	yes	yes	yes	yes	yes	yes	yes	yes
Wyse TCX USB Virtualizer	yes	yes	yes	yes	yes	yes	yes	
Wyse TCX Rich Sound	yes	yes				yes		yes
Wyse TCX Flash Acceleration	yes	yes	yes	yes	yes	yes	yes	yes

[1] For View, use “direct connections” only.

SW TCX updated 191209

Wyse TCX Suite Supported 64-bit Server Platforms

Product	Server Platforms (64-bit)							
	Windows XP Professional SP3 or later		Windows Vista (Ultimate, Business, Enterprise) SP1 or later		Windows 7	Microsoft Windows Server 2003 Terminal Services	Microsoft Windows Server 2008 Terminal Services	Citrix XenApp 4.5 or later
	XenDesktop	View[1]	XenDesktop	View[1]				
Wyse TCX Multi-display	yes	yes	yes	yes	yes	yes	yes	yes
Wyse TCX Multimedia	yes	yes	yes	yes	yes	yes	yes	yes
Wyse TCX USB Virtualizer	yes	yes	yes	yes	yes	yes	yes	
Wyse TCX Rich Sound	yes	yes				yes		yes
Wyse TCX Flash Acceleration	yes	yes	yes	yes	yes	yes	yes	yes

[1] For View, use “direct connections” only.

Content updated 221209

Wyse TCX Suite Supported Client Platforms

Product	Client Platforms						
Wyse TCX Software Suite	Wyse ThinOS	Wyse SUSE Linux Enterprise	Windows XP Embedded	Windows Embedded Standard	Windows XP Professional SP3	Windows Vista Ultimate	Windows 7
Wyse TCX Multi-display	yes	yes[1]	yes	yes	yes	yes	yes
Wyse TCX Multimedia	yes	yes[2]	yes	yes	yes	yes	yes
Wyse TCX USB Virtualizer	yes	yes	yes	yes	yes	yes	yes
Wyse TCX Rich Sound	yes		yes	yes	yes	yes	yes
Wyse TCX Flash Acceleration	yes		yes	yes	yes	yes	yes

[1] No XenApp or XenDesktop support.

[2] Only on Wyse X class hardware.

Content updated 221209

Wyse TCX Multimedia Specifications

Media formats supported	MPEG-1, MPEG-2 MPEG-4-part2 MPEG-4-part2 v2 H.264/MP4 part 10 WMV 7/8/9 WMA MP3
Flexible playback modes supported	Local clip playback Play-list playback Web playback
DirectShow based multimedia player	Support for Microsoft Media player 7/8/9
Redirect to local media	Client playback directly using - HTTP URL - FTP URL - Network shared drive
Multicast support	UDP/RTP Multicast (MPEG1 only) for Live multimedia streams Multicast for Windows Media streams

Content updated 221209

Wyse TCX USB Virtualizer Specifications

Device tested and supported

PDA / Blackberry	8820-smartphone (EDGE,WiFi) 8700G 7100-T Mobile
USB to Serial Converter	Epson LX 300+ (USB to Serial)
USB to Parallel Converter	
Printers	HP LaserJet 1300 HP DeskJet 1280 HP LaserJet 1320
USB Scanner	DocketPort 465
Biometric	digitalPersona 4000B Reader
Floppy Disk Drive	Sony Floppy Drive Enter Floppy Drive
USB CD ROM	IBM USB CD-ROM Drive Adonics CD ROM drive
USB Zip Drive	Iomega USB Bus Powered Zip 250 10MB
USB Flash Drive	Crucial/SanDisk/Transcend
Webcam	Logitech QuickCam Pro 9000 Microsoft LifeCamVX -1000 Microsoft LifeCamVX -3000
USB Headset	Logitech Clearchat Comfort USB Microsoft LifeChat LX-3000
Special devices	Bloomberg Keyboards

Wyse Virtual Desktop Accelerator Specifications

Supported Server Platforms include:	Virtual Desktop Environments from Citrix, Microsoft and VMware Windows XP Professional (in a VM) Windows Vista (in a VM) Windows 7 (in a VM) Windows Server 2003 Terminal Server Windows Server 2008 Citrix XenApp and Presentation Server
Supported Client Hardware Platforms	**Wyse R class** - Wyse R90L & R90LE (running Windows XP Embedded) and Wyse R90LW & R90LEW (running Windows Embedded Standard) **Wyse V class** - Wyse V10L (running Wyse ThinOS) and Wyse V90L & V90LE (running Windows XP Embedded) **Wyse X class** - Wyse X90 & X90L (running Windows XP Embedded) **General Purpose PC** - Any general purpose PC running XP Professional **XP Pro SP3 PCs**
Supported Client OS Platforms	**Wyse ThinOS** - Wyse V10L running ThinOS v6.4 or later **Windows XP Embedded** - Wyse V90L & V90LE, Wyse R90L & R90LE and Wyse X90 & X90L running XP Embedded vWFR2 or later **Windows Embedded Standard** - Wyse R90LW & R90LEW running WES v WFR1 or later **Windows XP Professional** - Any general purpose PC running Microsoft Windows XP Professional

Supported Networks Types include:	**DSL** (greater than 768 Kbps) **E1** **T1** **T3**
Supported Latency	**DSL** - 90 msec or higher **E1** - 90 msec or higher **T1** - 90 msec or higher **T3** - 20 msec or higher
Supported Packet Loss	**DSL** - 0% to 1% **E1** - 0% to 1% **T1** - 0% to 1% **T3** - 0% to 1%
Supported Protocols	Microsoft RDP Citrix ICA
Supported Connection Brokers	Citrix XenDesktop VMware View (direct connections to desktops only)

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Wyse offers thin computing sales, service and support expertise around the globe.

Click here for contact details of your regional Wyse office.

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Wyse
Thin Computing Software

Delivering the best experience over virtualized desktop environments

Summary Data

Wyse thin computing software

Wyse Device Manager

Wyse Device Manager enables the rapid scalable deployment; easy centralized management and granular asset tracking of Wyse thin clients and installed software. From day one Wyse Device Manager drastically reduces IT support costs by eliminating time consuming and expensive desktop visits. And, as a result user downtime is reduced and productivity increased as users receive far higher quality one-to-one helpdesk support through remote screen sharing and desktop takeovers. As a network grows and changes, Wyse Device Manager's inherent scalability, asset-tracking and policy management capabilities ensure each user's device is tracked and monitored remotely with all necessary software and OS patch updates managed centrally at the server via standard file server protocols.

Wyse TCX Suite

Wyse TCX Suite delivers PC functionality on Wyse thin clients and provides the best user experience available over virtualized environments enabling desktop and mobile users to run multimedia including Flash, use multiple monitors, plug-in USB devices and utilize rich VoIP software. By addressing previous limitations of thin client solutions, Wyse TCX enables organizations to take advantage of thin computing benefits for more of their users. Wyse TCX enhances the functionality of virtualized environments delivered by Citrix, Microsoft and VMware.

Wyse Virtual Desktop Accelerator

Wyse Virtual Desktop Accelerator (VDA) is a software only solution that enables virtualized desktop environments to be deployed to areas where network latency has, to date, presented operational barriers to using thin computing. Wyse VDA accelerates Citrix ICA and Microsoft RDP protocols and enables remote and branch offices to avoid costly investment in regional datacenters, higher cost networks, expensive hardware accelerators or reverting to costly legacy client-server techniques. Now with Wyse VDA mobile, home, offshore and cloud computing users can access their data in cost effective and secure thin computing environments. Crucially, Wyse VDA enables remote datacenters to be used to provide more resilient business recovery.

Call Wyse: 1-800-GET-WYSE www.wyse.com

Features

Wyse Device Manager

- Easy management of Wyse thin clients and installed applications.
- Scalable management solution that drastically reduces IT support costs.
- Easy software and OS patch updates via file server protocols.

Wyse TCX Suite

- **Multi-display** Ensures application windows and dialog boxes are multi-monitor aware when using more than one monitor.
- **USB Virtualizer** Enables local plug and play peripheral support on virtual desktops retaining administrator control.
- **Multimedia with Collaborative Processing Architecture** Streamlines delivery of multimedia for a richer user experience, while reducing server-side processing and network requirements.
- **Rich Sound** Enables rich bi-directional audio for VoIP, digital dictation and voice recognition applications.
- **Flash Acceleration** extends high quality multimedia support to meet rapidly growing business demands for Adobe Flash playback.

Wyse Virtual Desktop Accelerator

- Delivers the best user experience for the allocated network bandwidth.
- Neutralizes the effects of network latency and packet loss, making 'thin' suitable for more remotesite, branch, or field-based users.
- Accelerates RDP and ICA up to 3 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

Wyse Device Manager Specifications

Simple, Easy Installation	• Checks for all prerequisite components and offers to install missing components – making Wyse Device Manager installation a snap.
Automatic Device Discovery	• Enables devices to discover themselves using DHCP option tags to find the Wyse Device Manager server. • Admin controlled manual discovery of devices across the network using either IP ranges or Subnets.
Device Monitoring	• Discover devices across NATs, firewalls, dialup or wireless connections. • Displays visible device status in the user interface to inform administrators of the current status of devices on the network. • Enables devices to check in for new updates at pre-determined intervals.
Comprehensive Asset Management	• Tracks all device asset information and offers a complete inventory of all hardware and software information that is available on the device. • Collects granular information about the specific software OS, applications as well as any updates or patches deployed to the device at any point in time. • Enables administrators to remote shadow device to troubleshoot or for training users.
Centralized Device Control	• Allows administrators to send commands to shutdown, reboot or wake up devices without ever visiting the end user desktop. • Delivers fast and reliable reconfiguration of embedded network devices, including the device flash file system.
Complete Imaging	• Administrators can re-image the entire client flash file system including the BIOS and CMOS settings if needed. • Allows use of reference device to capture the configuration of the device or the complete image.
Capture and Deploy Device Identity	• Permits cloning of configuration or image to other devices to easily provision devices to adhere of company policies. • Features built-in reliability for all updates to a device. • Offers flexible scheduling at appropriate times to prevent loss of end-user productivity.
Use Existing Network Infrastructure	• Integrates with Active Directory for admin users. • Uses existing SQL database as the data store.

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Wyse Device Manager Specifications

Delegated Administration	• Enables admins to control the bandwidth to be used for server communications. • Allows delegation of device management responsibility to other admins.
Advanced Scripting	• Offers granular control over authorisation of the devices they can control as well as the functions each can perform. • Features a detailed scripting language to perform complex automated tasks on multiple devices.
Enhanced Reporting	• Enables customisation capabilities greatly enhanced using scripting. • Delivers simple saved reports which makes it easy to run the same report on existing parameters.
Extensible Tool-Building Capabilities Through Microsoft Management Console (MMC)	• Provides quick and flexible ways to report on the existing data that is captured by the system. • Eases administration headaches through MMC integration, delegation, task orientation, and a familiar interface.By integrating Wyse Device Manager with other snap-ins, administrators can create MMC tools that enhance network management functionality (e.g., individual Wyse Device Manager managers, anti-virus software, asset management, and fault and performance tools).
OS Requirements	• Microsoft® Windows Server 2000. • Microsoft® Windows Server 2003. • Microsoft® Windows XP.

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Wyse TCX Suite supported 32-bit Server Platforms

Product	Server Platforms (32-bit)							
	Windows XP Professional SP3 or later		Windows Vista (Ultimate, Business, Enterprise) SP1 or later		Windows 7	Microsoft Windows Server 2003 Terminal Services	Microsoft Windows Server 2008 Terminal Services	Citrix XenApp 4.5 or later
	XenDesktop	View[1]	XenDesktop	View[1]				
Wyse TCX Multi-display	yes	yes	yes	yes	yes	yes	yes	yes
Wyse TCX Multimedia	yes	yes	yes	yes	yes	yes	yes	yes
Wyse TCX USB Virtualizer	yes	yes	yes	yes	yes	yes	yes	
Wyse TCX Rich Sound	yes	yes				yes		yes
Wyse TCX Flash Acceleration	yes	yes	yes	yes	yes	yes	yes	yes

[1] For View, use “direct connections” only.

SW TCX updated 191209

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Wyse TCX Suite supported 64-bit Server Platforms

Product	Server Platforms (64-bit)							
	Windows XP Professional SP3 or later		Windows Vista (Ultimate, Business, Enterprise) SP1 or later		Windows 7	Microsoft Windows Server 2003 Terminal Services	Microsoft Windows Server 2008 Terminal Services	Citrix XenApp 4.5 or later
	XenDesktop	View[1]	XenDesktop	View[1]				
Wyse TCX Multi-display	yes	yes	yes	yes	yes	yes	yes	yes
Wyse TCX Multimedia	yes	yes	yes	yes	yes	yes	yes	yes
Wyse TCX USB Virtualizer	yes	yes	yes	yes	yes	yes	yes	
Wyse TCX Rich Sound	yes	yes				yes		yes
Wyse TCX Flash Acceleration	yes	yes	yes	yes	yes	yes	yes	yes

[1] For View, use “direct connections” only.

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Wyse TCX Suite Supported Client Platforms

Product	Client Platforms						
Wyse TCX Software Suite	Wyse ThinOS	Wyse SUSE Linux Enterprise	Windows XP Embedded	Windows Embedded Standard	Windows XP Professional SP3	Windows Vista Ultimate	Windows 7
Wyse TCX Multi-display	yes	yes[1]	yes	yes	yes	yes	yes
Wyse TCX Multimedia	yes	yes[2]	yes	yes	yes	yes	yes
Wyse TCX USB Virtualizer	yes	yes	yes	yes	yes	yes	yes
Wyse TCX Rich Sound	yes		yes	yes	yes	yes	yes
Wyse TCX Flash Acceleration	yes		yes	yes	yes	yes	yes

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Wyse TCX Multimedia Specifications

Media formats supported	MPEG-1, MPEG-2 MPEG-4-part2 MPEG-4-part2 v2 H.264/MP4 part 10 WMV 7/8/9 WMA MP3
Flexible playback modes supported	Local clip playback Play-list playback Web playback
DirectShow based multimedia player	Support for Microsoft Media player 7/8/9
Redirect to local media	Client playback directly using - HTTP URL - FTP URL - Network shared drive
Multicast support	UDP/RTP Multicast (MPEG1 only) for Live multimedia streams Multicast for Windows Media streams

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Wyse TCX USB Virtualizer Specifications

Device tested and supported	PDA / Blackberry	8820-smartphone (EDGE,WiFi) 8700G 7100-T Mobile
	USB to Serial Converter	Epson LX 300+ (USB to Serial)
	USB to Parallel Converter	
	Printers	HP LaserJet 1300
		HP DeskJet 1280
		HP LaserJet 1320
	USB Scanner	DocketPort 465
	Biometric	digitalPersona 4000B Reader
	Floppy Disk Drive	Sony Floppy Drive Enter Floppy Drive
	USB CD ROM	IBM USB CD-ROM Drive Adonics CD ROM drive
	USB Zip Drive	Iomega USB Bus Powered Zip 250 10MB
	USB Flash Drive	Crucial/SanDisk/Transcend
	Webcam	Logitech QuickCam Pro 9000 Microsoft LifeCamVX -1000 Microsoft LifeCamVX -3000
	USB Headset	Logitech Clearchat Comfort USB Microsoft LifeChat LX-3000
	Special devices	Bloomberg Keyboards Blackberry Keyboard

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Supported Client Hardware Platforms	**Wyse R class** - Wyse R90L & R90LE (running Windows XP Embedded) and Wyse R90LW & R90LEW (running Windows Embedded Standard) **Wyse V class** - Wyse V10L (running Wyse ThinOS) and Wyse V90L & V90LE (running Windows XP Embedded) **Wyse X class** - Wyse X90 & X90L (running Windows XP Embedded) **General Purpose PC** - Any general purpose PC running XP Professional **XP Pro SP3 PCs**
Supported Client	**Wyse ThinOS** - **OS Platforms** Wyse V10L running ThinOS v6.4 or later **Windows XP Embedded** - Wyse V90L & V90LE, Wyse R90L & R90LE and Wyse X90 & X90L running XP Embedded vWFR2 or later **Windows Embedded Standard** - Wyse R90LW & R90LEW running WES v WFR1 or later **Windows XP Professional** - Any general purpose PC running Microsoft Windows XP Professional
Supported Networks Types include:	**DSL** (greater than 768 Kbps) **E1** **T1** **T3**
Supported Latency	**DSL** - 90 msec or higher **E1** - 90 msec or higher **T1** - 90 msec or higher **T3** - 20 msec or higher
Supported Packet Loss	**DSL** - 0% to 1% **E1** - 0% to 1% **T1** - 0% to 1% **T3** - 0% to 1%
Supported Protocols	Microsoft RDP, Citrix ICA
Supported Connection Brokers	Citrix XenDesktop, VMware View (direct connections to desktops only)

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